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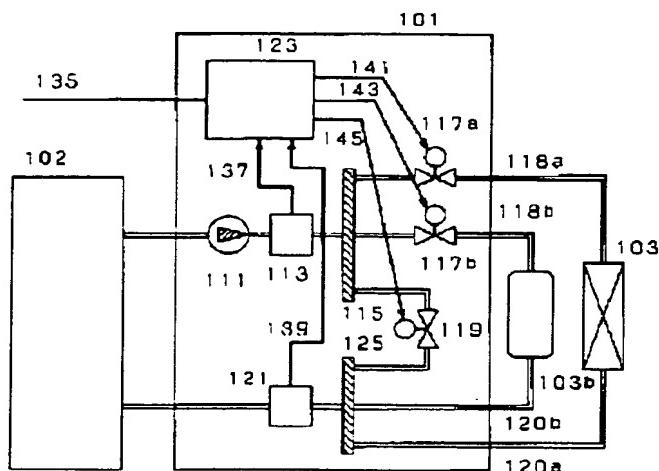
APPLICATION DATE : 24-10-97
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : AKAMINE IKUO;

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TITLE : EXHAUST HEAT DISTRIBUTOR AND
WASTE HEAT UTILIZING SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To form a cogeneration system in a small size, and facilitate maintenance.

SOLUTION: A waste heat distributor 101 consists of a pump 111, a temperature flow rate sensor 113, a supplying side header 115 for branching water, rate regulating valves 117a, 117b, a bypass flow rate regulating valve 119, a returning side header 125, a temperature flow rate sensor 121, and a main arithmetic unit for outputting control commands 141, 143, 145 on the basis of a waste heat utilizing information and signals 137, 139 detected by the temperature flow rate sensors 113, 121. Waste heat is distributed according to demand and supply, a temperature of fuel cell is stabilized, and a pump and a circulating passage are simplified. It is thus possible to facilitate to form the fuel cell in a compact size, and it is also possible to reduce the burden of maintenance.

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